


- FOR TENDER**



DESIGN, CONSTRUCTION, TESTING, COMMISSIONING
AND OPERATION & MAINTENANCE OF INFRASTRUCTURE
WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE
1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC)
ON EPC BASIS

PROJECT CODE: DI1628	STATUS: ISSUED FOR TENDER	DATE: 24.07.2025
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SHEET NO: 01 of 01	SCALE: NTS	DWG SIZE: A1	REV NO: R1
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MITL-DPIA-PKG1-EL-08

1. ALL THE CT RATINGS WITH BURDEN SHALL BE CONSIDERED AS PER THE SYSTEM REQUIREMENT.
2. FINAL SWITCHGEARS RATING SHALL BE CONSIDERED BASED ON THE ACTUAL LOAD REQUIREMENT & AS PER THE ELECTRICAL DISTRIBUTION SCHEME.
3. SHORT CIRCUIT CURRENT RATING OF THE SWITCHGEARS & BUS BAR SHALL BE AS PER SYSTEM DESIGN REQUIREMENTS.
4. FRLS COPPER CONTROL WIRING WITH SPACE HEATER, THERMOSTAT AND CONTROL MCB'S ETC. SHALL BE PROVIDED IN ALL THE ELECTRICAL PANELS AS REQUIRED.
5. FINAL CABLE SIZES SHALL BE CONSIDERED BASED ON THE ACTUAL LOAD REQUIREMENT & AS PER THE ELECTRICAL DISTRIBUTION SCHEME.

RATED VOLTAGE	33 KV	11 KV
MAXIMUM VOLTAGE	36 KV	12 KV
RATED FREQUENCY	50 Hz	50 Hz
RATED POWER FREQUENCY WITHSTAND VOLTAGE (1 MIN)	70 KV	28 KV
RATED LIGHTNING IMPULSE WITHSTAND VOLTAGE (1.2/50 MICRO SEC)	170 KvP	75 KvP
RATED SHORT BREAKING CURRENT	25 KA	25 KA
RATED SHORT TIME WITHSTAND DURATION	3 Sec.	3 Sec.
DRIVING MECHANISM OF CIRCUIT BREAKER	STORED ENERGY SPRING	STORED ENERGY SPRING
DRIVING OPERATING SEQUENCE	0-0.35-0-3 MIN-0-0	0-0.35-0-3 MIN-0-0